Assembly	Item	Qty	Part Number	Source	Description	On-Line Purchase Link	Unit Price	Ext Price	Notes
Enclosure									
Parts kit	1	1	N/A	Make it yourself or order from Prawn Designs	Kit of parts for assembling the enclosure	http://www.prawndesigns.com ; info@prawndesigns.com		$30.00	The enclosure parts can be fabricated using the CAD files an Assembly instructions in this release package.
Pill Dispenser	2	4	Weekly Pill Planner with Snap-Tight Lids, CVS p/n 715123	CVS Pharmacy	Removable plastic weeekly pill dispenser	http://www.cvs.com/shop/product-detail/CVS-Large-Weekly-Pill-Planner?skuId=715123	$2.99	$11.96	Best to get two colors, e.g. 2 ea clear for AM and 2 ea Blue for PM
LED - yellow	3	7	LED panel mount, amber; PN 607-5102H3-5V	Mouser	Panel mount amber LED with internal resistor and 6" pigtail leads ("AM" day indicators)	http://www.mouser.com/ProductDetail/Chicago-Miniature/5102H3-	$1.30	$9.10	LED with internal resisotor; Amber for AM LEDs
LED- green	4	8	LED panel mount, green; PN 607-5102H5-5V	Mouser	Panel mount green LED with internal resistor and 6" pigtail leads ("PM" day indicators and power on	http://www.mouser.com/ProductDetail/Chicago-Miniature/5102H5-	$1.30	$10.40	LED with internal resisotor; Green for PM and Power LEDs
Display	5	1	LCD display, 16x2, backlit; ID: 181	Adafruit	16x2 character LCD display, backlit, HD44780 controller	http://www.adafruit.com/products/181	$9.95	$9.95	Can get two for 4.98 here: http://www.ebay.com/itm/2pcs-1602-16x2-Character-LCD-Display-Module-HD44780-Controller-yellow-blacklight-/400446382818?ssPageName=ADME:X:RTQ:US:1123
Proximity Sensor	6	1	5V PIR module, 3.3V output; ID: 189	Adafruit	Passive infra-red proximity sensor, with 3 pin cable	http://www.adafruit.com/products/189	$9.95	$9.95	
Real-time clock	7	1	High accuracy "Chronodot" RTC I2C Module; ID: 255	Adafruit	Real-time, battery backed, clock module, DS3231 based, I2C interface	http://www.adafruit.com/products/255	$17.50	$17.50	Compatible for DS1702 based RTC modules, but this model uses temp[erature compensated internal crystal for high accuracy and stability.
Microcontroller	8	1	Arduino Uno R3 board; Mouser P/N 782-A000066	Mouser	Arduino Uno Rev 3 microcontroller board.	http://www.mouser.com/ProductDetail/Arduino/A000066/?qs=sGAEpiMZZMtE4ePzUE8d2JuFIVM5Ac0l	$24.51	$24.51	Also available from Adafruit: http://www.adafruit.com/products/50
Cable, separable	9	1	40 wire, female pin header cable, separable; ID: 266	Adafruit	Separable 0.1" pin header female-female cables.	http://www.adafruit.com/products/266	$6.95	$6.95	Many alternate sources available.
Power Adaptor	10	1	9 volt DC wall wart power supply; Mean Well P/N GS06U-2P1J	Jameco	9 volt, 660 ma, DC "wall wart" power adapter, for Arduino	http://www.jameco.com/webapp/wcs/stores/servlet/Product_10001_10001_1940686_-1	$9.49	$9.49	
USB Cable	11	1	USB A/B cable; ID: 62	Adafruit	USB cable for programming the Arduino Uno	http://www.adafruit.com/products/62	$4.00	$4.00	
Pin header	12	1	10 pcs 1x36 breakable male pin header; ID: 392	Adafruit	Breakable, male, PB board solderable, 0.1" pin headers	http://www.adafruit.com/products/392	$4.95	$4.95	
Mounting Hardware	13	14	metal screw, 4 - 40; p/n 534-9901	Mouser	Flat head 4 - 40 metal screw, 3/8" long	http://www.mouser.com/ProductDetail/Keystone-Electronics/9901/?qs=sGAEpiMZZMtFmYSM%2fWUJwjMM2jkmYE8TyGoG3vEKdJ8%3d	$0.10	$1.40	
Mounting Hardware	14	4	metal standoff, 4 - 40; p/n 761-2112-440-AL-7	Mouser	Double sided, 4 - 40 metal standoff, 1" high	http://www.mouser.com/ProductDetail/RAF-Electronic-Hardware/2112-440-AL-7/?qs=sGAEpiMZZMtrde5aJd3qw8BUoqM2q3%252bQgGcuZ%252bZQnXw%3d	$0.40	$1.60	

Category	#	Qty	Part	Vendor	Description	Link	Unit Price	Ext Price	Notes
Mounting Hardware	15	10	metal nut, 4 - 40; p/n 534-7235-3	Mouser	4 - 40 metal hex nut	http://www.mouser.com/ProductDetail/Keystone-Electronics/7235-3/?qs=sGAEpiMZZMtFmYSM%2fWUJwjMM2jkmYE8TVaKr94YYEsQ%3d	$0.06	$0.60	
Mounting Hardware	16	7	nylon screw, 4 - 40; p/n 534-9328	Mouser	flat head nylon screw, 4 - 40, 3/8" long	http://www.mouser.com/ProductDetail/Keystone-Electronics/9328/?qs=sGAEpiMZZMtFmYSM%2fWUJwjMM2jkmYE8TDv833dWoJEQ%3d	$0.13	$0.91	
Mounting Hardware	17	2	nylon screw, 4 - 40; p/n 534-9527	Mouser	flat head nylon screw, 4 - 40, 1/4" long	http://www.mouser.com/ProductDetail/Keystone-Electronics/9527/?qs=sGAEpiMZZMtFmYSM%2fWUJwjMM2jkmYE8T6M5YAr%2f3kG0%3d	$0.13	$0.26	
Mounting Hardware	18	1	nylon standoff, 4 - 40; p/n 524-1902C	Mouser	double sided, 4 - 40 nylon standoff, 1/2" long	http://www.mouser.com/ProductDetail/Keystone-Electronics/1902C/?qs=sGAEpiMZZMtrde5aJd3qw3QaZpWtG6nidQne%2f0XWhd0%3d	$0.63	$0.63	
Mounting Hardware	19	9	nylon nut, 4 - 40; p/n 561-G440	Mouser	4 - 40 nylon hex nut	http://www.mouser.com/ProductDetail/Eagle-Plastic-Devices/561-G440/?qs=sGAEpiMZZMtFmYSM%2fWUJwsXnGnuBfRdpCfiadu46AF8%3d	$0.19	$1.71	
Mounting Hardware	20	1	nylon screw, 2 - 56; bag	Frys Electronics	flat head nylon screw, 2-56, 1/2" long	http://www.frys.com/product/3579354?site=sr:SEARCH:MAIN_RSLT_PG	$2.19	$2.19	
Mounting Hardware	21	1	nylon nut, 2 - 56; bag	Frys Electronics	2-56 nylon hex nut	http://www.frys.com/product/3580404?site=sr:SEARCH:MAIN_RSLT_PG	$2.19	$2.19	
Crimp Connectors	22	0	Box of 100 closed end insulated crimp connectors; Ace p/n 3015534	Ace hardware	Closed end crimp connectors, #22-#14 AWG	http://www.acehardware.com/product/index.jsp?productId=1286945	$0.00	$0.00	Note: optional - see Final Assembly Instructions (soldering is an alternative to crimping)
Wire	23	1	#22 Stranded hookup wire, green; p/n 818-5	Jameco	#22 stranded hookup waire, PVC insulation, green, 100 foot roll.	http://www.jameco.com/webapp/wcs/stores/servlet/Product_10001_10001_310852_-1	$9.95	$9.95	
Wire	24	1	#22 Stranded hookup wire, red; p/n 818-2	Jameco	#22 stranded hookup waire, PVC insulation, red, 100 foot roll.	http://www.jameco.com/webapp/wcs/stores/servlet/Product_10001_10001_734303_-1	$10.95	$10.95	
Shield Board									
PC Board	1	1	Printed Circuit Board	OSH Park	printed circuit board for Pill Reminder shield	http://oshpark.com/shared_projects/hjjifcbz	$42.20	$42.20	Note: price is for three boards, which is the OSH Park minimum order. You will need to create a free account with OSH Park to order boards from this site.

Stackable headers	2	1	Arduino Header, 6 pin; Adam Tech p/n RS1-06-G-.561-A11596	Jameco	6 position female header - pass through, Arduino	http://www.jameco.com/webapp/wcs/stores/servlet/Product_10001_10001_2144614_-1	$0.49	$0.49	
Stackable headers	3	2	Arduino Header, 8 pin; Adam Tech p/n RS1-08-G-.561-A11596	Jameco	8 position female header - pass through, Arduino	http://www.jameco.com/webapp/wcs/stores/servlet/Product_10001_10001_2144631_-1	$0.55	$1.10	
Stackable headers	4	1	Arduino Header, 10 pin; Adam Tech p/n RS1-10-G-.561-A11596	Jameco	10 position female header - pass through, Arduino	http://www.jameco.com/webapp/wcs/stores/servlet/Product_10001_10001_2177627_-1	$0.65	$0.65	
	5	2	Package of 5, 3.5mm, 2 pin terminal block; ID: 724	Adafruit	2 position 3.5mm PC board screw terminal connector	http://www.adafruit.com/products/724	$2.95	$5.90	
Push button switch	6	1	Package of 20 mini pushbutton switch; ID: 367	Adafruit	Momentary, SPST, NO push button switch, miniature, PC mount	http://www.adafruit.com/products/367	$2.50	$2.50	
Potentiometer	7	1	Trim pot, 10K ohm: PN 3362P-1-103LF/76P103LF	Jameco	Trim pot, 10K, miniature, PC mount	http://www.jameco.com/webapp/wcs/stores/servlet/Product_10001_10001_182837_-1	$0.95	$0.95	
IC Shift Register	8	1	Package of 3 shift registers; ID: 450	Adafruit	74HC595 latached shift reigster	http://www.adafruit.com/products/450	$2.75	$2.75	
DIP socket, 16 pin	9	1	16 pin DIP socket; PN 6100-16-R	Jameco	DIP socket, 16 pin, PC solder mount	http://www.jameco.com/webapp/wcs/stores/servlet/Product_10001_10001_37402_-1	$0.75	$0.75	
Transistor	10	1	Package of 10 transistors, 2N2222A; ID: 756	Adafruit	2N2222A, switching transistor, TO92 package	http://www.adafruit.com/products/756	$1.95	$1.95	
Resistor, 330 ohm	11	1	Package of 10 resistors, 330 ohm; PN CF1/4W331JRC	Jameco	Optional: 330 ohm, 1/4 watt, axial resistor	http://www.jameco.com/webapp/wcs/stores/servlet/Product_10001_10001_690742_-1	$0.10	$0.10	Resistors are only needed where the panel mount LEDs do not have internal resisors. The resistor positions are jumered if the resistors are not needed.
Resistor, 560 ohm	12	1	Package of 10 resistors, 560 ohm; PN CF1/4W561JRC	Jameco	560 ohm, 1/4 watt, axial resistor	http://www.jameco.com/webapp/wcs/stores/servlet/ProductDisplay?langId=-1&storeId=10001&productId=690806&catalogId=10001&CID=PDF141CAT	$0.10	$0.10	
Resistor, 5.6 Kohm	13	1	Package of 10, 5.6 Kohm resistor	Jameco	5.6 Kohm, 1/4 watt, axial resistor	http://www.jameco.com/webapp/wcs/stores/servlet/Product_10001_10001_691041_-1	$0.10	$0.10	
Capacitor, electrolytic	14	1	100 uf capacitor, radial, PN R100/25	Jameco	100 uf electrolytic capacitor, 25 volt	http://www.jameco.com/webapp/wcs/stores/servlet/Product_10001_10001_93761_-1	$0.10	$0.10	
Capacitor, ceramic	15	1	Pacakge of 10, 0.1 uf capacitor	Jameco	0.1 UF ceramic capacitor	http://www.jameco.com/webapp/wcs/stores/servlet/Product_10001_10001_151116_-1	$0.13	$0.13	

$240.92